



# CONNECTIVITY MATTERS

*Turning Constellations into Networks*

**Hello and welcome to *Connectivity Matters*.**

In this issue:

- From Concept to Reality. RSN signs manufacturing & launch contracts!
- Connectivity as a Service is coming. Are you ready?
- Cybersecurity Matters. Space is the Solution.
- Ensuring Sustainability and the Responsible Use of Space

*And much more...*



Declan Ganley, CEO,  
Rivada Space Networks

It is just one year since we unveiled Rivada Space Networks (RSN) at Satellite 2022. Within a very short space of time, we have placed the contracts to manufacture and launch our constellations, built up a highly experienced team and are working tirelessly with our industry partners to deliver a unique and highly disruptive solution for enterprise and government communications worldwide.

With all the key building blocks now in place, we look here at the connectivity landscape and the significant opportunities we are creating with our ultra-secure space-based data network. Stay tuned for more exciting developments from RSN over the coming months!



## Rivada Goes from Concept to Reality

Since March 2022, [Rivada Space Networks](#) has been on a fast-track mission to complete the overall design of the system architecture and associated satellite deployment framework. With extensive technical studies now completed, RSN has signed two of the most anticipated and important contracts in the satellite industry: [Terran Orbital](#) will manufacture the satellites that will make up the Rivada Space Networks new and unique low earth orbit constellations. And [SpaceX](#) will launch them into orbit on their Falcon 9 rockets. Deployment will start in 2025 with full-service launch in 2026.

*“With more than 20 LEO projects in development we are incredibly proud to be moving from concept to reality.”*

Clemens Kaiser, Chief Program Officer, RSN

[Read the press release](#)



## The Future of Satellite

At Rivada, we are building an ultra-secure satellite data network with pole-to-pole reach, offering end-to-end latencies similar or better than terrestrial fiber. Operating like an optical backbone in space, with lasers to interconnect satellites and using MPLS networking protocols, we will deliver a unique and ultra-secure global solution for enterprise and government communications. Hear Ronald van der Breggen, CCO talk about what he believes the future of satellite will look like, and how RSN is disrupting the market with a unique LEO network.

*“Connecting Satellites is the key.”*

Ronald van der Breggen, Chief Commercial Officer, RSN

[Listen to the podcast with Ronald van der Breggen](#)

[Discover the Future of Satellites video](#)



## Turning Constellations into Networks

Today's connectivity revolution and digital transformation brings ever-increasing demands and opportunities. With billions of new devices coming online, there's a dramatic acceleration currently under way, transforming what we expect from our satellite and wireless networks. What will it take to enable the new connectivity of the future and how can we address security concerns? At the SmallSat Symposium, we hosted a panel discussion with key players in the satellite ecosystem. [Click here](#) to find out more about the new connectivity networks, ground infrastructure and laser optics innovation.

[You can watch the full session here](#)



## Cybersecurity Matters

Recent geopolitical and cybersecurity threats mean that a fundamentally different network architecture is needed to provide connectivity that meets today's demands for security, latency, throughput, reach and mobility. And increasingly, new low-earth-orbit (LEO) constellations are seen as the solution. At RSN, we are very focused on security, and it is our ambition to keep data safe, both by offering solutions in space and facilitating quantum encryption for terrestrial infrastructure. We believe our ultra-secure space network is the key for critical infrastructure systems such as the EU's Iris2 network and government networks worldwide.

[Read about our QKD partnership](#)





## Connectivity as a Service

Connectivity as a service is coming, and it's going to change the way we think about online as profoundly as cloud computing is transforming business and information technology. The past 15 years have been the smartphone era. The next era isn't about better phones and faster downloads. Nor is it simply about connecting the next three billion. It's about the next 50 billion devices, communicating with us and each other in ways as hard to fathom as TikTok was at the turn of the century.

[Go to the full article on Via Satellite](#)



## Network Orchestration from Alyria's Spacetime

Alyria and Rivada Space Networks (RSN) have entered into an agreement to use Alyria's Spacetime platform to orchestrate the network for Rivada's planned LEO constellation, offering Rivada's unique architecture an advantage for finding the most robust and reliable means of communications between any two user terminals in the world through real-time analysis of millions of possible paths.

"With our manufacturing and launch services contracts in place, we are now moving at full speed on defining the optimal systems solutions to deliver our ground-breaking constellation," CPO Clemens Kaiser said. "We are delighted to be integrating Alyria's Spacetime solution and look forward to demonstrating that our fully meshed laser space network, regenerative payload and beam hopping solution can be very efficiently orchestrated to provide unparalleled service performance for our customers."

[Learn more about Alyria](#)



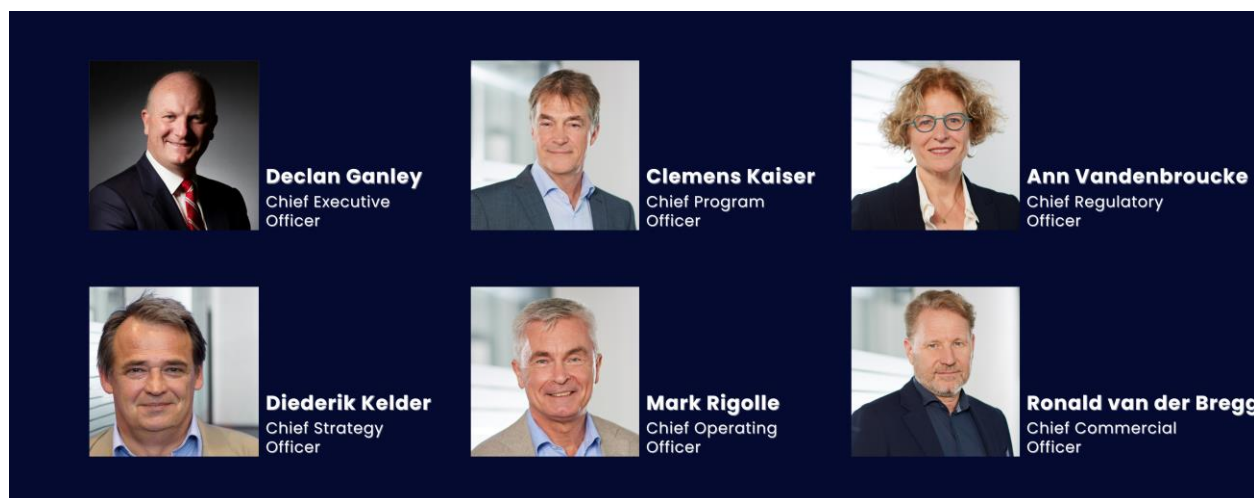
## Ensuring Sustainability and the Responsible Use of Space

RSN recently joined the Global Satellite Operators Association ([GSOA](#)) and we look forward to working with them to achieve the goal of a more connected, secure and sustainable world. In the face of unparalleled innovation in the space sector and an insatiable demand for all types of connectivity, there is a need to bring sustainability to space and to respond to requirements for a better data-driven society. We will work with GSOA to build consensus among satellite operators on future access to spectrum and address the key issues of sustainability, space debris and responsible use of space.

*“Rivada’s mission to develop an innovative global constellation network to ensure meaningful connectivity for everyone, makes them an ideal addition to GSOA. We look forward to working with them as they rollout their next-generation, highly secure, LEO constellation,”* said Aarti Holla-Maini, GSOA

[Read the GSOA Press Release](#)





## Managing a NewSpace Company

The RSN Management Team brings a wealth of senior executive experience and a track record of success in the satellite and telecoms industries. With a combined 100+ years' experience in satcoms, space and data networking, combined with parent company [Rivada Networks](#)' terrestrial wireless expertise, we are uniquely positioned to bring this unique new solution to market. Meet our Executive Management Team.

[Discover the RSN Executive Management Team](#)

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## RSN in the News

RSN has been covered in many media outlets including the Financial Times, Irish Times, Suddeutsche Zeitung, Space News, Connectivity Business News and many more.

[Find out more](#)

# Join Us

We are always looking for talented new team members to join us in our mission to provide the first Please take a look at the open positions on our website.

[Discover our vacancies](#)

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## Events

RSN will be participating at several communications and networking events in the coming months. We look forward to seeing you, so please contact us at [info@rivadaspace.com](mailto:info@rivadaspace.com) to schedule a meeting at any of the following events:

- **National Space Symposium**  
17-20 April, Colorado Springs
- **Cyber LEO**  
10-12 May, Los Angeles
- **Munich NewSpace Summit**  
15-17 May, Munich
- **CabSat Dubai,**  
16-18 May, Dubai
- **FT Investing in Space Conference**  
5-6 June, London
- **Asia Satellite Business Week**  
7-8 June, Singapore
- **World Satellite Business Week**  
11-15 September, Paris

## Keep in touch

Check out our website and follow us on LinkedIn and Twitter to keep up to date with all the exciting developments at Rivada Space Networks.

